

ABSTRACT OF THE DISCLOSURE

A digitally modulated power control device comprises an input unit for inputting an AC voltage signal and a control signal; a signal detection unit for detecting the AC voltage signal and a frequency thereof and generating a
5 first trigger signal in response to the AC voltage signal; a control unit for receiving the control signal and the first trigger signal, processing the first trigger signal in response to the control signal, and generating a second trigger signal; and an output unit including an AC switching unit. The
output unit can receive the second trigger signal for activating the AC
10 switching unit and output an adjusted AC voltage signal for adjusting an output power of an AC load.